

ELECTRICAL ENGINEERING

Sample Four-Year Schedule

Required prerequisite(s) indicated in parentheses & notes

Must earn at least a grade of "C" in each course except for most University Core courses.

FRESHMAN YEAR

FALL

MATH 1710, Calculus I (see note 1)	4
CHEM 1410 or 1415, Chemistry (see note 2)	3
CHEM 1430 or 1435, Chemistry Lab (see note 2)	1
EENG 1910, Learning to Learn	3
Communication Core course	3
CSCS 1030, Computer Science 1 (MATH 1650)	4
Total Hours	18

SPRING

MATH 1720, Calculus II (MATH 1710)	3
PHYS 1710, Mechanics (MATH 1710)	3
PHYS 1730, Mechanics Lab (MATH 1710)	1
EENG 2710, Digital Logic Design	3
EENG 2711, Digital Logic Design Lab (coreq EENG 2710)	1
TECM 2700, Tech. Writing (Communication Core)	3
University Core course	3
Total Hours	17

SOPHOMORE YEAR

FALL

MATH 2730, Multivariable Calculus (MATH 1720)	3
PHYS 2220, E. & M. (MATH 1720, PHYS 1710, 1730)	3
PHYS 2240, E. & M. Lab (MATH 1720, PHYS 1710, 1730)	1
EENG 2610, Circ. (MATH 1720, coreq PHYS 2220, 2240)	3
EENG 2611, Circ. Lab (coreq EENG 2610)	1
University Core course	3
Total Hours	14

SPRING

MATH 2700, Linear Algebra (MATH 1720)	3
MATH 3410, Diff. Equ. (MATH 1720 coreq MATH 2700)	3
EENG 2620, Signals & Sys. (EENG 2610, 2611, MATH 2730)	3
EENG 2621, Signals & Sys. Lab (coreq EENG 2620)	1
EENG 2920, Analog Circ. Des. (EENG 2610, 2611)	3
University Core course	3
Total Hours	16

JUNIOR YEAR

FALL

MATH 3680, Statistics (MATH 1710, coreq MATH 1720)	3
EENG 3410, Electromag. (EENG 2610, 2611, MATH 3410)	3
EENG 3411, Electromag. Lab (coreq EENG 3410)	1
EENG 3510, Electronics I (EENG 2610, 2611)	3
EENG 3511, Electronics I Lab (coreq EENG 3510)	1
EENG 3910, DSP System Design (EENG 2620, 2621)	3
University Core course	3
Total Hours	17

SPRING

EENG 3520, Electronics II (EENG 3510, 3511)	3
EENG 3710, Comp. Org. (EENG 2710, 2711, CSCS 1030)	3
EENG 3810, Comm. Sys. (EENG 2620, 3510, MATH 3680)	3
EENG 3811, Comm. Sys. Lab (coreq EENG 3810)	1
EENG 3920, Modern Comm. Sys. (coreq EENG 3520)	3
University Core course	3
Total Hours	16

SENIOR YEAR

FALL

EENG Elective (see note 3)	3
EENG Elective (see note 3)	3
EENG 4910, Senior Design I (EENG 3810, 3811, 3910, 3920)	3
OPSM 3830, Operations Management	3
University Core course	3
Total Hours	15

SPRING

EENG Elective (see note 3)	3
EENG Elective (see note 3)	3
EENG 4990, Senior Design II (EENG 4910)	3
MGMT 3850, Entrepreneurship	3
University Core course	3
Total Hours	15

Notes:

Note 1: MATH 1710 requires one of the following as prerequisite: completion of MATH 1650 with a grade of "C" or higher; or Freshman Math Group Level 3; or approval authorized by score via mathematics testing; or earned credit for a math course at or above the MATH 1710 level.

Note 2: CHEM 1410 & 1430 requires MATH 1100, College Algebra (or higher) as prerequisite. CHEM 1415 & 1435 requires MATH 1650, Pre-Calculus (or higher) as prerequisite.

Note 3: Must complete prerequisite(s) for each EENG Elective course. Graduate Track option available.

Must earn at least a grade of "C" and a minimum 2.5 GPA in Communications Core, TECM 2700, MATH 1710, MATH 1720, PHYS 1710, PHYS 1730, EENG 1910 & EENG 2610 as foundations to enroll in advanced courses.

This is an unofficial sample schedule. Requirements, prerequisites, etc. may change. Students should meet with an advisor each semester for individual scheduling, program decisions, etc. Engineering admissions requirements must be met & a degree audit must be created in order to progress in the program to a timely graduation.